

18/05 '00 17:17 FAX 44 115 9551299

D lta Biotechnology Ltd + BASSETT

002

?ts10/7/all

48

10/7/1 (Item 1 from file: 315)
DIALOG(R)File 315:ChemEng & Biotec Abs
(c) 2000 DECHEMA. All rts. reserv.

027253 CEABA Accession No.: 06-02-000345 DOCUMENT TYPE: Patent

Title: Treatment of filter material with large surface range

AUTHOR: ostreicher, e.a., Page(s): 40pp

PATENT NUMBER: DE 2, 422, 4

PUBLICATION DATE: 28 NOV 1974 (741128) LANGUAGE: German

PRIORITY PATENT APPLICATION(S) & DATE(S): US APPL. 35 (730509)

ABSTRACT: A neg. Charged filtering material with a large surface area, e.g. Glass, polyacrylonitrile, or polypropylene fibers, diatomaceous earth, or micro porous film, is treated with a cationic material, e.g. A melamine-hcho polymer (mol.wt.1000-4000) to increase the filtration efficiency by imparting a pos.zeta potential. The particles can be in a cellulose matrix comprising 50-90% by wt. Of the filter sheet. The polymer is deposited from a 5-20 wt.% system in water in amts. Of 10-40% of the solid wt. Based on filter material.